



<i>Streptococcus pneumoniae</i> pspA homologous sequence ->	x x x I D K x x T Q K x L E x x x D A x E L x x x x x
<i>H. pylori</i> flagellar sheath adhesion protein sequence ->	M Q E I D K K L T Q K N L E S Y Q D A K E L K G K R N
<i>Mycoplasma hominis</i> Lp1 homologous sequence ->	x x E I x K K L x x x x x E S x x K D A K E L x G x R N

FIG 2a

*Streptococcus pneumoniae* pspA homologous sequence ->

x x x I D K x x T Q K x L E x x x D A x E L x x x x

*H. pylori* flagellar sheath adhesion protein sequence ->

M Q E I D K K L T Q K N L E S Y Q K D A K E L K G K R N

*Mycoplasma hominis* Lp1 homologous sequence ->

x x E I x K K L x x x x E S x L x K D A K E L x G x R N

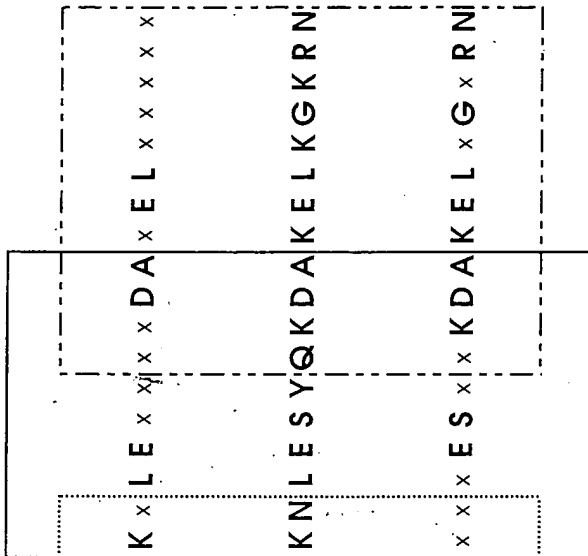


Figure 3 Plot

Figure 5 Plot

Figure 4 Plot

FIG 2b

Fig. 3

*H. pylori* Peptide MQEIDKKLTQKN Test Data

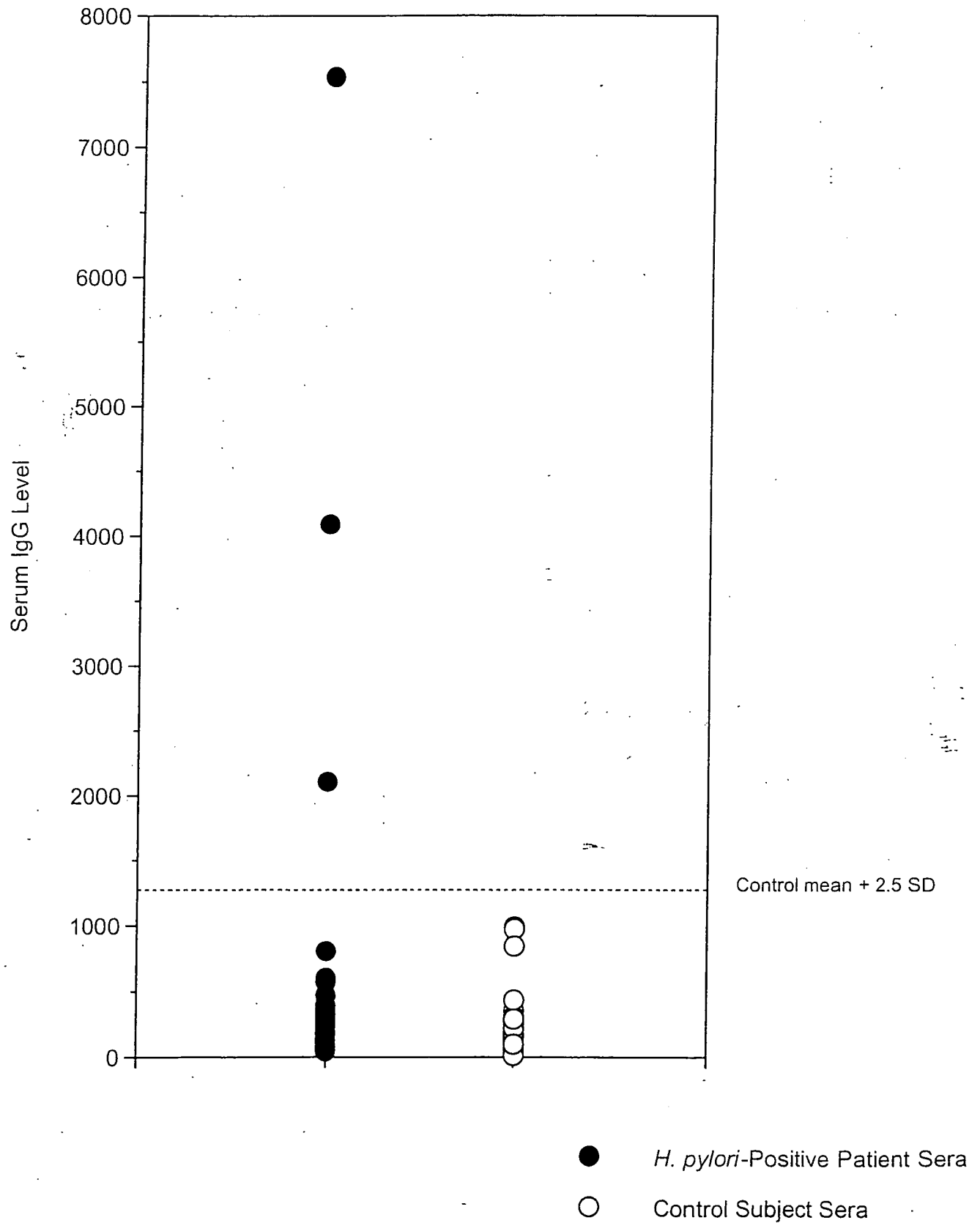


FIG 4

*H. pylori* Peptide KNLESYQKDA Data

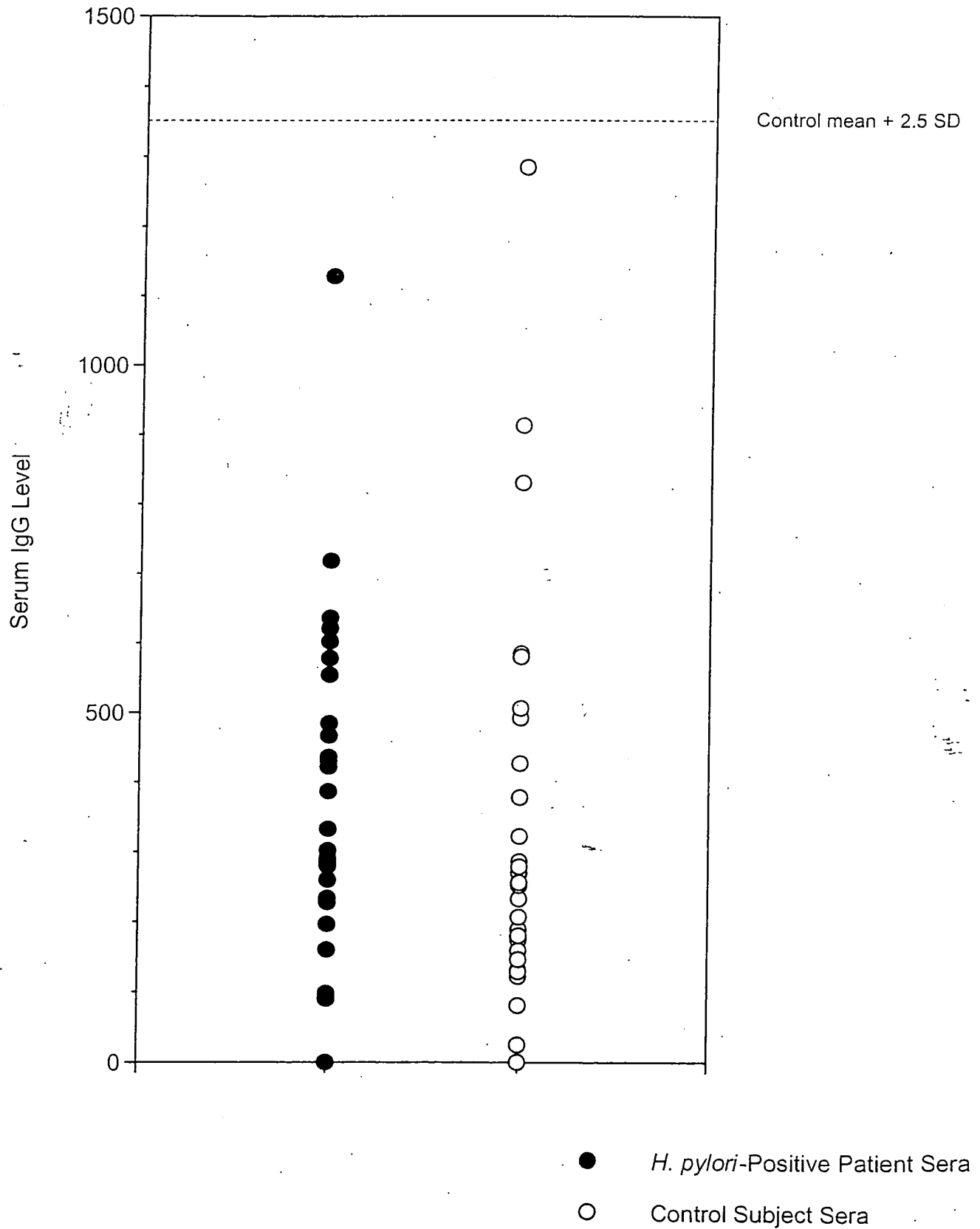
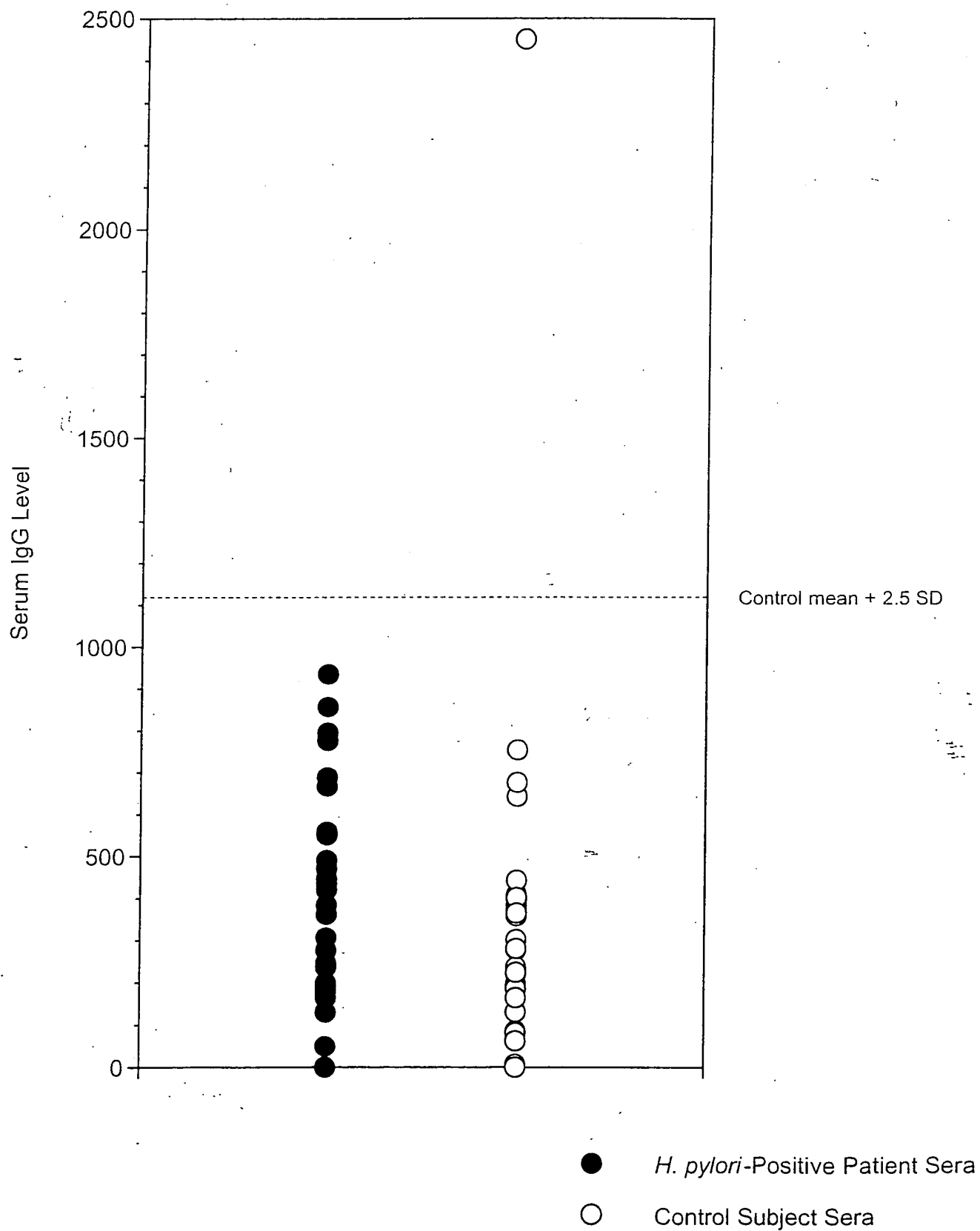


Fig 5

*H. pylori* Peptide QKDAKELKGKRN Data



# FIG. 6

## Parent *H. pylori* Protein

Adhesin 2

Iron-Regulated Outer  
Membrane Protein

Lipid A Disaccharide Synthase

LPP20 Lipoprotein

Flagellar Sheath Adhesin

Outer Membrane Protein 1

Outer Membrane Protein 19

Outer Membrane Porin 1

Outer Membrane Porin 2

Vacuolating Cytotoxin

## Functionally Specific Peptide Antigens

LPALKENNGKV

VTTKGERTFEYNN

LEQNEGFKRRV

TVDASGKRSISG

MQEIDKKLTQKN

NTRYDRWAKD

INGDKRTGGKPNTPE

SSSEYEKLKA

KEQIIEAKGPDV

QQTHRKINRP

KQAEEANKTP

KTPDKPDKVW

SCANNED, # 2

### Number of IgG-Positive Results On Individual Peptide Assays

[illegible]



FIG. 7/6

### Number of IgG-Positive Results On Individual Peptide Assays

[illegible]

**Human Type II CollagenFunctionally Specific Peptide Antigens**

QGQDVRQPG

GRDGE

GGFDEKAGGA

WPGLPGA

GLPGTPGTDGPKGASGPAGPPGAQGP

GPEGAPGKDGGRLT

GEVGPPGPAGSAGARGAP

TGPKGARGAQGPATGFPGAA

NGNPGPPGPPGPS

LQGPAGPP

AVGAPGAPGPPGSPGPAGPTGKQGD

KGHRGFTGLQ

IGPPGPRGRSGETGPAGPPGN

Fig 8